

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030623\
 Data File : BN024131.D
 Acq On : 06 Mar 2023 12:24
 Operator : CG/JU
 Sample : 01378-05
 Misc : SFAM-MDL-ME-SOIL-01
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MED-SOIL-QT1-2023-01

Quant Time: Mar 07 04:30:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN030323.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 07 04:27:04 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 03/07/2023
 Supervised By :Jagrut Upadhyay 03/07/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.057	152	287027	20.000	ng/u1	0.00
20) Naphthalene-d8	10.881	136	1256674	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.698	164	758053	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.439	188	1583809	20.000	ng/u1	0.00
79) Chrysene-d12	21.627	240	1541926	20.000	ng/u1	0.00
88) Perylene-d12	24.133	264	1595191	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.411	96	35164	4.779	ng/uL	0.00
4) Pyridine-d5	3.834	84	342236	16.809	ng/u1	0.00
7) Phenol-d5	7.199	99	502766	19.528	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.381	67	326758	19.819	ng/u1	0.00
11) 2-Chlorophenol-d4	7.581	132	388339	19.641	ng/u1	0.00
15) 4-Methylphenol-d8	8.757	113	381883	18.658	ng/u1	0.00
21) Nitrobenzene-d5	9.228	128	161762	19.832	ng/u1	0.00
24) 2-Nitrophenol-d4	9.951	143	177753	19.985	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.487	165	356234	18.561	ng/u1	0.00
31) 4-Chloroaniline-d4	11.010	131	533114	18.618	ng/u1	0.00
46) Dimethylphthalate-d6	14.098	166	1133927	19.382	ng/u1	0.00
49) Acenaphthylene-d8	14.392	160	1334894	19.602	ng/u1	0.00
54) 4-Nitrophenol-d4	14.869	143	190904	17.077	ng/u1	0.00
60) Fluorene-d10	15.686	176	972876	19.787	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.792	200	126862	14.867	ng/u1	0.00
73) Anthracene-d10	17.539	188	1376945	18.434	ng/u1	0.00
81) Pyrene-d10	19.827	212	1699716	18.862	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.974	264	1629084	20.544	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.446	88	10622	1.333	ng/uL	95
5) Pyridine	3.852	79	90579	4.298	ng/u1#	77
6) Benzaldehyde	7.187	77	65351m	5.225	ng/u1	
8) Phenol	7.228	94	129675	4.859	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.475	93	104305	4.823	ng/u1	100
12) 2-Chlorophenol	7.610	128	98084	4.778	ng/u1	98
13) 2-Methylphenol	8.493	108	92423	4.605	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.593	45	168355	4.907	ng/u1	99
16) Acetophenone	8.881	105	170310	5.360	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.869	70	76891	4.929	ng/u1	98
18) 4-Methylphenol	8.822	108	107157	4.851	ng/u1	98
19) Hexachloroethane	9.152	117	36439	4.520	ng/u1	98
22) Nitrobenzene	9.269	77	111455	5.048	ng/u1	98
23) Isophorone	9.793	82	234003	4.849	ng/u1	99
25) 2-Nitrophenol	9.981	139	51883	5.078	ng/u1	96
26) 2,4-Dimethylphenol	10.034	107	96326	4.137	ng/u1	93
27) Bis(2-Chloroethoxy)met...	10.281	93	149013	4.973	ng/u1	99
29) 2,4-Dichlorophenol	10.516	162	96254	4.969	ng/u1	96
30) Naphthalene	10.928	128	349794	5.058	ng/u1	100
32) 4-Chloroaniline	11.034	127	142669	4.941	ng/u1	98
33) Hexachlorobutadiene	11.216	225	57277	4.852	ng/u1	91
34) Caprolactam	11.804	113	34782m	5.265	ng/u1	
35) 4-Chloro-3-methylphenol	12.140	107	103210	4.836	ng/u1	94
36) 2-Methylnaphthalene	12.528	142	230938	5.072	ng/u1	99

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37) 1-Methylnaphthalene	12.745	142	188716	4.136	ng/u1	92
39) 1,2,4,5-Tetrachloroben...	12.893	216	117270	5.141	ng/u1	98
40) Hexachlorocyclopentadiene	12.881	237	52232	4.249	ng/u1	95
41) 2,4,6-Trichlorophenol	13.128	196	70077	4.689	ng/u1	98
42) 2,4,5-Trichlorophenol	13.192	196	77259	4.801	ng/u1	94
43) 1,1'-Biphenyl	13.534	154	309643	5.128	ng/u1	99
44) 2-Chloronaphthalene	13.575	162	243220	5.170	ng/u1	99
45) 2-Nitroaniline	13.769	65	37481	3.657	ng/u1	87
47) Dimethylphthalate	14.145	163	302763	5.135	ng/u1	100
48) 2,6-Dinitrotoluene	14.263	165	29085	3.351	ng/u1	93
50) Acenaphthylene	14.416	152	384398	5.238	ng/u1	100
51) 3-Nitroaniline	14.592	138	40014	3.793	ng/u1#	97
52) Acenaphthene	14.757	153	262007	5.234	ng/u1	97
53) 2,4-Dinitrophenol	14.792	184	29138	4.849	ng/u1	98
55) 4-Nitrophenol	14.881	109	40531	4.759	ng/u1	98
56) Dibenzofuran	15.092	168	371724	5.286	ng/u1	96
57) 2,4-Dinitrotoluene	15.045	165	54705	3.998	ng/u1	98
58) 2,3,4,6-Tetrachlorophenol	15.310	232	64674	4.675	ng/u1	97
59) Diethylphthalate	15.510	149	295108	5.021	ng/u1	99
61) Fluorene	15.739	166	299222	5.431	ng/u1	96
62) 4-Chlorophenyl-phenyle...	15.734	204	143983	5.466	ng/u1	95
63) 4-Nitroaniline	15.745	138	42362m	4.152	ng/u1	
66) 4,6-Dinitro-2-methylph...	15.804	198	39875	4.620	ng/u1#	88
67) N-Nitrosodiphenylamine	15.945	169	243498	5.192	ng/u1	99
68) 4-Bromophenyl-phenylether	16.628	248	78229	4.968	ng/u1	99
69) Hexachlorobenzene	16.745	284	97561	5.093	ng/u1	99
70) Atrazine	16.892	200	70681	4.452	ng/u1	98
71) Pentachlorophenol	17.081	266	55979	4.724	ng/u1	94
72) Phenanthrene	17.480	178	478357	5.452	ng/u1	100
74) Anthracene	17.575	178	456215	5.157	ng/u1	99
75) 1,2,3,4-Tetrachloroben...	13.498	216	91609	3.969	ng/uL	98
76) Pentachlorobenzene	15.010	250	84450	3.755	ng/uL	92
77) Carbazole	17.839	167	415312	5.242	ng/u1	99
78) Di-n-butylphthalate	18.410	149	469788	4.982	ng/u1	98
80) Fluoranthene	19.492	202	527407	5.034	ng/u1	99
82) Pyrene	19.857	202	549330	4.970	ng/u1	98
83) Butylbenzylphthalate	20.751	149	117585	4.178	ng/u1	99
84) 3,3'-Dichlorobenzidine	21.539	252	104665	3.522	ng/u1	97
85) Benzo(a)anthracene	21.610	228	539350	5.018	ng/u1	96
86) Bis(2-ethylhexyl)phtha...	21.539	149	198456	4.249	ng/u1	97
87) Chrysene	21.663	228	526474	5.118	ng/u1	91
89) Di-n-octyl phthalate	22.498	149	322766	3.783	ng/u1	100
90) Benzo(b)fluoranthene	23.363	252	528125	5.259	ng/u1	98
91) Benzo(k)fluoranthene	23.421	252	532947	5.365	ng/u1	98
93) Benzo(a)pyrene	24.027	252	475956	5.351	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	26.756	276	571393m	5.101	ng/u1	
95) Dibenzo(a,h)anthracene	26.780	278	484486m	5.312	ng/u1	
96) Benzo(g,h,i)perylene	27.562	276	477625m	5.168	ng/u1	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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